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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/520,470	01/07/2005	Thomas Tuschl	2923-673	5503
6449 7590 05/03/2007 ROTHWELL, FIGG, ERNST & MANBECK, P.C.			EXAMINER		
	1425 K STREET, N.W.			SHIN, DANA H	
	SUITE 800 WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
				1635	
				NOTIFICATION DATE	DELIVERY MODE
		,		05/03/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-PAT-Email@rfem.com

	Application No.	Applicant(s)				
	10/520,470	TUSCHL ET AL.				
Office Action Summary	Examiner	Art Unit				
	Dana Shin	1635				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet v	vith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RE	PLY IS SET TO EXPIRE 1 N	MONTH(S) OR THIRTY (30) DAYS				
WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUN R 1.136(a). In no event, however, may a t. eriod will apply and will expire SIX (6) MO tatute, cause the application to become A	ICATION. I reply be timely filed NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status		·				
1) \boxtimes Responsive to communication(s) filed on $\underline{0}$	Responsive to communication(s) filed on <u>07 January 2005</u> .					
·						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the m						
closed in accordance with the practice und	er <i>Ex parte Quayle</i> , 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-31 is/are pending in the applica	tion.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8)⊠ Claim(s) <u>1-31</u> are subject to restriction and	or election requirement.	•				
Application Papers						
9)☐ The specification is objected to by the Exan	niner.					
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to	= ' '					
Replacement drawing sheet(s) including the co						
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for forea) ☐ All b) ☐ Some * c) ☐ None of:	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
1. Certified copies of the priority docum						
2. Certified copies of the priority docum						
3. Copies of the certified copies of the	· · · · · ·	n received in this National Stage				
application from the International Bu * See the attached detailed Office action for a	, , , , , , , , , , , , , , , , , , , ,	t received				
See the attached detailed Office action for a	ist of the certified copies no	r received.				
Attachment(s)	_					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413) o(s)/Mail Date				
3) [] Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		Informal Patent Application				

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-21, drawn to use of a single-stranded RNA molecule having a length from 14-50 nucleotides, which inhibits the expression of a target transcript, wherein said expression is inhibited by RNA interference.

Group II, claim(s) 22-29, drawn to a purified human RISC and a method of enhancing RNAi in a cell comprising overexpressing RISC.

Group III, claim(s) 30-31, drawn to an antisense siRNA precursor molecule in the form of a hairpin stem-loop structure comprising 19 to 29 base pairs in stem.

The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The inventions of groups I-III are found to have no special technical features that define a contribution over the prior art of Schmitz et al. (*Nucleic Acids Research*, 2001, 29:415-422). See citation. The special technical feature of the first claimed invention is use of a single-stranded RNA molecule having a length from 14-50 nucleotides, which inhibits the expression of a target transcript.

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Schmitz et al. teach use of single-stranded RNA molecules having 14-50 nucleotides in length, which inhibit the expression of a target transcript including the translational start site. See pages 415-416.

Therefore, applicants' invention does not contribute a special technical feature when viewed over the teachings of Schmitz et al. Accordingly, the inventions of groups I-III do not have a single inventive concept and so lack unity of invention, thus restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

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currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Shin whose telephone number is 571-272-8008. The examiner can normally be reached on Monday through Friday, from 8am-4:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Douglas Schultz can be reached on 571-272-0763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dana Shin Examiner Art Unit 1635

> J. DOUGLAS SCHULTZ, PH.D. SUPERVISORY PATENT EXAMINER

Id Schud